



01-10-02

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. BP 1983

First Inventor

Ary; Rez Behzad

Title LOW NOISE, GAIN CONTROLLABLE ACTIVE

Express Mail Label No.

EVO53321727US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

ADDRESS TO:Assistant Commissioner for Patents
Box Patent Application
Washington, DC 202311. ☒ Fee Transmittal Form (e.g. PTO/SB/17)(submit an original and a duplicate for fee processing)
Applicant claims small entity status.2. ☐ See 37 CFR 1.27.3. ☒ Specification [Total Pages 39]

(preferred arrangement set forth below)

- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R&D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4. ☒ Drawing(s) (35 U.S.C. 113) [Total Pages 11]

5. Oath or Declaration [Total Pages 2]

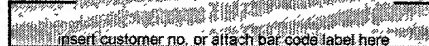
- a. ☒ Newly executed (original or copy)
Copy from a prior application (37 CFR 1.63 (d))
- b. ☐ (for continuation/divisional with Box 18 completed)

i. ☐ **DELETION OF INVENTOR(S)**Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b).6. ☐ Application Data Sheet. See 37 CFR 1.767. ☐ CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix)8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)a. ☐ Computer Readable Form (CRF)

b. Specification Sequence Listing on:

i. ☐ CD-ROM or CD-R (2 copies); orii. ☐ paperc. ☐ Statements verifying identity of above copies**ACCOMPANYING APPLICATION PARTS**9. ☒ Assignment Papers (cover sheet & documents(s))10. ☒ 37 CFR 3.73(b) Statement (when there is an assignee) ☒ Power of Attorney11. ☐ English Translation Document (if applicable)12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations13. ☐ Preliminary Amendment14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)16. ☐ Request and Certification under 35 U.S.C. 122
(b)(2)(B)(i). Applicant must attach form PTO/SB/35
or its equivalent.17. ☐ Other: _____18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,
or in an Application Data Sheet under 37 CFR 1.76:☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: _____

Prior application information: Examiner: _____ Group Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under
Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.
The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.**19. CORRESPONDENCE ADDRESS**☐ Customer Number or Bar Code Labelor ☒ Correspondence address below

Name Timothy W. Markison

Address P.O. Box 160727

City Austin

State TX

Zip Code 78716-0727

Country USA

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Name (Print/Type) Timothy W. Markison

Registration No. (Atty/Agent) 33,534

Signature



Date

12/21/01

SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$) \$1320.00

Complete if Known

Application Number	
Filing Date	
First Named Inventor	Arya Rez Behzad
Examiner Name	
Group Art Unit	
Atty Docket No.	BP 1983

METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number

Deposit Account Name

☐ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

☐ Applicant claims small entity status. See 37 CFR 1.27

2. ☐ Payment Enclosed:

☒ Check ☐ Credit card ☐ Money Order ☐ Other

FEE CALCULATION

Fee Description	Fee Paid
Utility filing fee	740.00
Design filing fee	
Plant filing fee	
Reissue filing fee	
Provisional filing fee	
SUBTOTAL (1)	(\$ 740.00)

2. EXTRA CLAIM FEES		Fee From Below
Total Claims	36	-20** 16 X 18 = 288.00
Independent Claims	6	-3** 3 X 84 = 252.00
Multiple Dependent		
Fee Description		
Claims in excess of 20		
Independent claims in excess of 3		
**Reissue independent claims over original patent		
**Reissue claims in excess of 20 and over original patent		
SUBTOTAL (2)	(\$ 540.00)	

**or number previously paid, if greater, For Reissues, see above


FEE CALCULATION (continued)

3.. ADDITIONAL FEES

Fee Description	
Surcharge-late filing fee or oath	
Surcharge- late provisional filing fee or or cover sheet	
Non-english specifications	
For filing a request for ex parte reexamination	
Requesting publication of SIR prior to Examiner action	
Requesting publication of SIR after Examiner action	
Extension for reply within first month	
Extension for reply within second month	
Extension for reply within third month	
Extension for reply within fourth month	
Extension for reply within fifth month	
Notice of Appeal	
Filing a brief in support of appeal	
Request for oral hearing	
Petition to institute a public use proceeding	
Petition to revive - unavoidable	
Petition to revive unintentional	
Utility Issue Fee (or reissue)	
Design Issue Fee	
Plant Issue Fee	
Petitions to the Commissioner	
Processing fee under 37 CFR 1.17(q)	
Submissions of Information Disclosure Stmt	
Recording each patent assignment per property (times number of properties)	\$40.00
Filing a submission after final rejection (37 CFR 1.129(a))	
For each additional invention to be examined (37 CFR 1.129(b))	
Request for Continued Examination (RCE)	
Request for expedited Examination of design application	
Other fee (specify)	
Reduced by Basic Filing Fee Paid	
SUBTOTAL (3)	\$40.00

SUBMITTED BY

Complete (if applicable)

Name (Print Type)	Timothy W. Markison	Registration No.	33,534	Telephone	(512) 342-0612
Signature		(Attorney Agent)		Date	12/21/01

Certificate Under 37 C.F.R. § 3.73(b)

Applicants: **Arya Reza Behzad**

Application No.:

Filing Date:

Entitled: **MIXER HAVING LOW NOISE, CONTROLLABLE GAIN, AND/OR LOW SUPPLY VOLTAGE OPERATION**

Broadcom Corporation
(Name of Assignee)

a , California Corporation
(Type of Assignee, e g , corporation, partnership, university, government agency, etc)

states that it is:

1. ☒ the assignee of the entire right, title, and interest, or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ An Assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s) of the patent application/patent identified above to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (*i.e.*, the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

Date: December 20, 2001

Name: William J. Ruehle

Title: Vice President and Chief Financial Officer

Signature: 